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ELECTRONS IN ATOMS**Vocabulary Review**

Choose the term from the following list that best matches each description.

quantum	Hund's rule
photons	atomic emission spectrum
hertz	photoelectrons
Pauli exclusion principle	Aufbau principle
wavelength	quantum mechanical model

1. The lowest-energy arrangement of electrons in a subshell is obtained by putting electrons into separate orbitals of the subshell before pairing electrons.

2. packets/quanta of electromagnetic energy

3. the SI unit of frequency

4. An atomic orbital can hold no more than two electrons.

5. the amount of energy required to move an electron from its present energy level to the next higher one

6. the modern description of the location and energy of electrons in an atom

7. This principle states that electrons enter orbitals of lowest energy first.

8. the distance between two adjacent crests of an electromagnetic wave

9. This is produced by passing the light emitted by an element through a prism.

10. These are sometimes produced when light shines on metals.
